

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD1601	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 1601 Twitchell	A	2.47						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Reclamation District No. 1601 Twitchell

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
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Unit Cover Sheet

Fall 2012 Levee Inspection Results

Reclamation District No. 1601 Twitchell

Waterway			Bank	Unit Miles
Unit No. 01 Threemile Slough			Left	2.47
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/03/2012 - 04/03/2012		10/16/2012 - 10/16/2012	
DWR Inspector	Richard Willoughby		Richard Willoughby	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1601 Twitchell

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Threemile Slough				Left	2.47	10/16/2012 10/16/2012	Richard Willoughby	

LMR No.	Levee Mile		Category	Item	Location *	Rating + Ma	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	CR	A		°	°	3
								°	°	
DWR ID: DWR_RD1601_01_s_2012_3										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	CR	A		°	°	4
								°	°	
DWR ID: DWR_RD1601_01_s_2012_4										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	CR	A		°	°	6
								°	°	
DWR ID: DWR_RD1601_01_s_2012_6										
4	0.00	2.47	Earthen Levee	Vegetation	WS	A	V7 : Trees / Woody Vegetation	°	°	1
								°	°	Y
DWR ID: DWR_RD1601_01_f_2012_1										
5	0.10	1.31	Earthen Levee	Crown Surface / Depressions / Rutting	CR A/W	C2	Repair depressions or ruts in the crown or slope.	38.120883 °	38.104085 °	5
								-121.682775 °	-121.683898 °	Y
DWR ID: DWR_RD1601_01_s_2012_5										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1601 Twitchell

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Left	2.47	10/16/2012 10/16/2012	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	2.47
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Looking south at typical view of levee.

richard_f_20121018_896.JPG



Levee Mile Report Line	5
Start Levee Mile	0.10
End Levee Mile	1.31
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Looking north at holes on levee crown.

richard_f_20121012_829.jpg



Levee Mile Report Line	5
Start Levee Mile	0.10
End Levee Mile	1.31
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Looking south at crown surface rutting.

richard_f_20121012_830.jpg



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Levee Inspection Report By Mile - Fall 2012

Reclamation District No. 1601 Twitchell

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Threemile Slough	Left	2.47	10/16/2012 10/16/2012	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.10
End Levee Mile	1.31
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting
Looking southwest at re-grade crown roadway.	
richard_f_20121018_895.JPG	



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CR : Crown	N : Not Inspected/Rated	En : Enforcement
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	
	U : Unacceptable	